



## SCS Directory

Accreditation number: SCS 0018

International standard: ISO/IEC 17025:2017  
Swiss standard: SN EN ISO/IEC 17025:2018

HUBER INSTRUMENTE AG Grellingerstrasse 23 4208 Nunningen	Head:	P. Perandones
	Responsible for MS:	P. Perandones
	Telephone:	+41 61 921 50 60
	E-Mail:	<a href="mailto:laboratory@huber-instrumente.com">laboratory@huber-instrumente.com</a>
	Internet:	<a href="http://www.huber-instrumente.com">www.huber-instrumente.com</a>
	Initial accreditation:	20.12.1988
Current accreditation:	10.01.2020 bis 09.01.2025	
Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)	

### Scope of accreditation as of 20.10.2023

#### Calibration laboratory for pressure

##### Calibration and Measurement Capability (CMC)

Messured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
<b>Pressure in fluids (gauge)</b>	100kPa ... 4MPa		30ppm + 6Pa	Supplemental uncertainty for devices with an electrical-output: 0.01 $\mu$ A or 10 $\mu$ V
	1MPa ... 40MPa		40ppm + 32Pa	
	2MPa ... 80MPa		40ppm + 62Pa	
<b>Gas pressure (gauge)</b>	- 1kPa...+ 3kPa		200ppm, but not less than 0.2Pa	
<b>Gas pressure (gauge)</b>	-1.25kPa ... 1.25kPa		70ppm + 0.3Pa	
	0kPa ... 5kPa		50ppm + 0.5Pa	
	5kPa ... 10kPa		60ppm + 0.5Pa	
	10kPa ... 100kPa		60ppm + 4Pa	
	0.1MPa ... 0.2MPa		50ppm + 10Pa	



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Messured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty $\pm$ <sup>1)</sup>	Remarks
<b>Gas pressure (gauge)</b>	0.2MPa ... 1MPa		50ppm + 30Pa	Supplemental uncertainty for devices with an electrical-output: 0.01 $\mu$ A or 10 $\mu$ V
	1MPa ... 3MPa		30ppm + 150Pa	
	3MPa ... 10MPa		30ppm + 300Pa	
<b>Gas pressure (absolute)</b>	1.0E-06 ... 0.1mbar		0.4*P <sup>2</sup> + 0.015*P + 0.0000015mbar (P in mbar)	
	0kPa ... 5kPa		50ppm + 0.5Pa	
	3kPa ... 120kPa		25ppm + 10Pa	
	7kPa ... 350kPa		40ppm + 20Pa	
	3kPa ... 1MPa		50ppm + 30Pa	
	3kPa ... 3MPa		30ppm + 150Pa	
	3kPa ... 10MPa		30ppm + 300Pa	
<b>Pressure in fluids (absolute)</b>	100kPa ... 4MPa		30ppm + 16Pa	
	1MPa ... 40MPa		40ppm + 42Pa	
	2MPa ... 80MPa		40ppm + 72Pa	

In case of contradictions in the language versions of the directories, the German version shall apply.

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